

## EAST Search History

| Ref # | Hits   | Search Query  | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|--------|---|--|------------------|---------|---------------------|
| L1    | 4791   | (257/66 OR 257/213<br>438/591 257/410<br>438/24).CCLS.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/02/28<br>12:02 |
| S1    | 2      | "6642131".pn. (jp2003-<br>008011-\$ jp2000-<br>349287-\$ jp2003-<br>124460-\$ jp2003-<br>347297-\$ JP2003-<br>179051-\$).did. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB       | OR               | ON      | 2008/02/27<br>16:24 |
| S2    | 2      | "US 20070096104"  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                | AND              | ON      | 2008/02/27<br>16:27 |
| S3    | 183    | ((NOBUYUKI) near2<br>(IKARASHI)).INV.<br>((TORU) near2<br>(TATSUMI)).INV.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/02/27<br>16:30 |
| S4    | 12055  | silicon same hafnium<br>same oxide  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2008/02/27<br>16:35 |
| S5    | 9737   | "mis fet" or misfet   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2008/02/27<br>16:36 |
| S6    | 355521 | metal adj oxide   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2008/02/27<br>16:36 |
| S7    | 146    | S4 S5 S6  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2008/02/27<br>16:36 |

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| S8  | 2760  | (257/66 OR 257/213).<br>CCLS.                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/27<br>16:36 |
| S9  | 2     | S3 S7   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/27<br>16:36 |
| S10 | 86316 | (metal adj oxide) and<br>gate                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/27<br>16:41 |
| S11 | 145   | S4 S5 S10   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/27<br>16:41 |
| S12 | 86316 | (metal adj oxide) and<br>gate and (nitride or<br>oxide) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/27<br>16:42 |
| S13 | 145   | S4 S5 S10 S12   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/27<br>16:42 |
| S14 | 60    | (halfnium with silicon<br>with oxide)                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/27<br>16:43 |
| S15 | 503   | hfsio   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/27<br>16:43 |
| S16 | 12    | S4 S5 S10 S12 S15                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/27<br>16:43 |

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| S17 | 195009 | silicon adj nitride                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/27<br>16:45 |
| S18 | 4      | polycrystalline S16                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/27<br>16:52 |
| S19 | 195219 | silicon adj nitride                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/28<br>10:22 |
| S20 | 12082  | silicon same hafnium<br>same oxide                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/28<br>10:22 |
| S21 | 9742   | "mis fet" or misfet                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/28<br>10:22 |
| S22 | 86447  | (metal adj oxide) and<br>gate                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/28<br>10:22 |
| S23 | 86447  | (metal adj oxide) and<br>gate and (nitride or<br>oxide) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/28<br>10:22 |
| S24 | 504    | hfsio   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/28<br>10:22 |
| S25 | 12     | S20 S21 S22 S23 S24                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/28<br>10:22 |

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| S26 | 4    | polycrystalline S25                             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/28<br>10:22 |
| S27 | 63   | hfsio "%"                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/28<br>10:28 |
| S28 | 128  | hfsiox  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/28<br>10:44 |
| S29 | 13   | hfsiox "%"                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/28<br>10:44 |
| S30 | 2870 | silicate with hafnium                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/28<br>10:47 |
| S31 | 688  | (silicate with hafnium)<br>"%"                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/28<br>10:48 |
| S32 | 524  | (silicate with hafnium)<br>"% composition       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/28<br>10:48 |
| S33 | 369  | (silicate with hafnium)<br>"% composition table | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/28<br>10:49 |
| S34 | 35   | S28 S30   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/02/28<br>10:53 |

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| S35 | 44  | "Hf.sub.xSi.sub.1-xO.sub.2"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON | 2008/02/28<br>11:04 |
| S36 | 3   | (US-20030218223-\$<br>or US-20050070126-\$<br>or US-20030045080-\$).did. | US-PGPUB   | AND  | ON | 2008/02/28<br>11:31 |
| S37 | 1   | polycrystalline S36  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON | 2008/02/28<br>11:32 |
| S38 | 605 | (silicate with hafnium)<br>polycrystalline                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON | 2008/02/28<br>11:40 |
| S39 | 95  | (silicate with hafnium)<br>polycrystalline                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2008/02/28<br>11:40 |
| S40 | 72  | ( hafnium adj silicate)<br>polycrystalline                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2008/02/28<br>11:41 |
| S41 | 16  | ( hafnium adj silicate)<br>polycrystalline                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON | 2008/02/28<br>11:42 |

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